

Shock absorber damping force control device for motor vehicle calculates damping forces required to suppress roll and pitch based on models of individual and front and rear wheels

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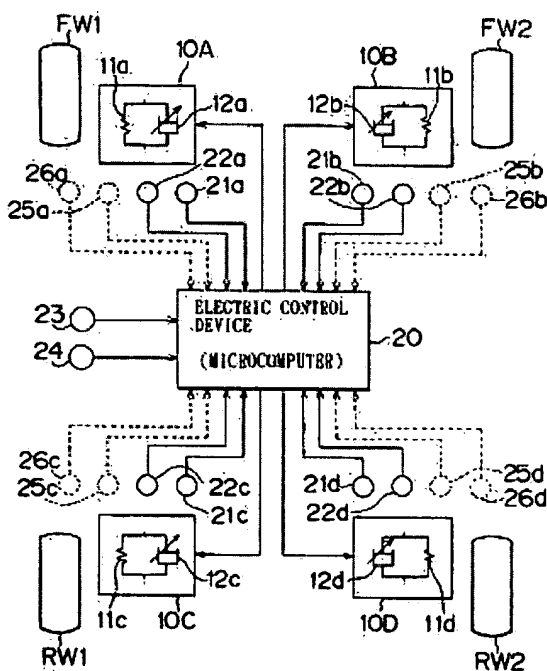
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US6366841 (B1)
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Abstract of DE10019763

A controller (20) calculates the damping force for each wheel required to suppress the vibration of the car body in the roll direction, based on a model of the individual wheels of the vehicle. The controller also calculates a second damping force for each wheel required to suppress the vibration of the car body in the pitch direction, based on a model of the front and rear wheels of the vehicle. A final required damping force is calculated for each wheel based on the two calculated damping forces. A control signal is output to each shock absorber so that the required damping force is exerted. Independent claims are included for two further damping force control devices.



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